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## SILICON FILM (54) MANUFACTURE OF

(57) Abstract:

deposition rate and excellent electric silicon film having a sufficient PURPOSE: To form an amorphous characteristics by a method wherein a

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thermal CVD method is performed at the substrate temperature of 480°C or below using trisilane or higher silanes.

substantially by performing a thermal chamber 1 in advance, and after the of the substrate 4 by thermal silicon film is formed on the surface chamber 1. As a result, an amorphous silane of high order which is higher of a heating means 2, a susceptor 3, a consisting of a wafer and the like is film is formed can be made small and the temperature variation when a been stabilized, raw gas is introduced, temperature of the substrate 4 has atmospheric gas is introduced into the decomposition reaction. At this time, exhaust means 7, they are placed on and the like connected to a gas gas blow- out hole 5, the exhaust hole inserted into the chamber 1 consisting CONSTITUTION: The substrate 4 than trisilane is introduced into the thereabout by a heating means 2, the When they are heated up to 400°C or the upper surface of the susceptor 3.

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